

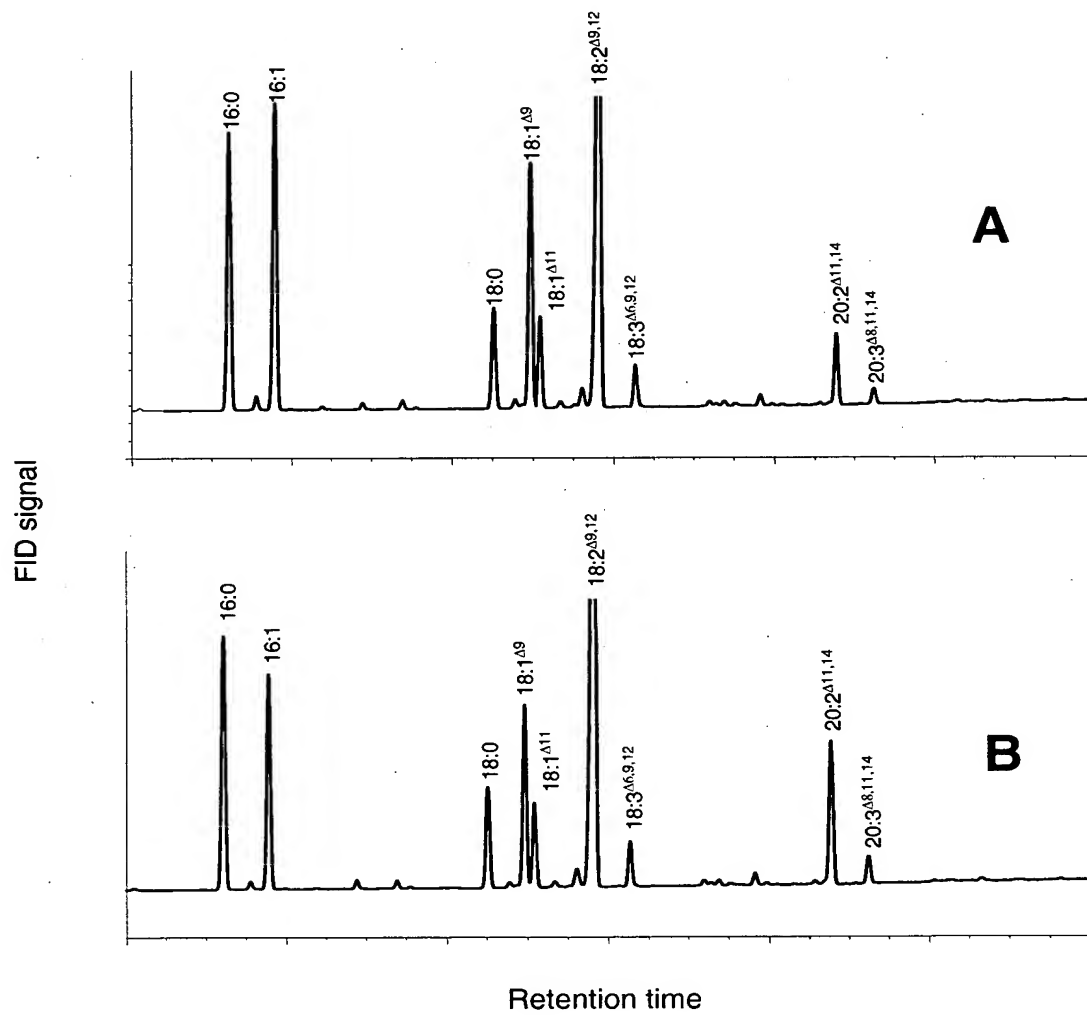
Figure 2: Fatty acid profiles of transgenic C13ABYS86 *S. cerevisiae* cells

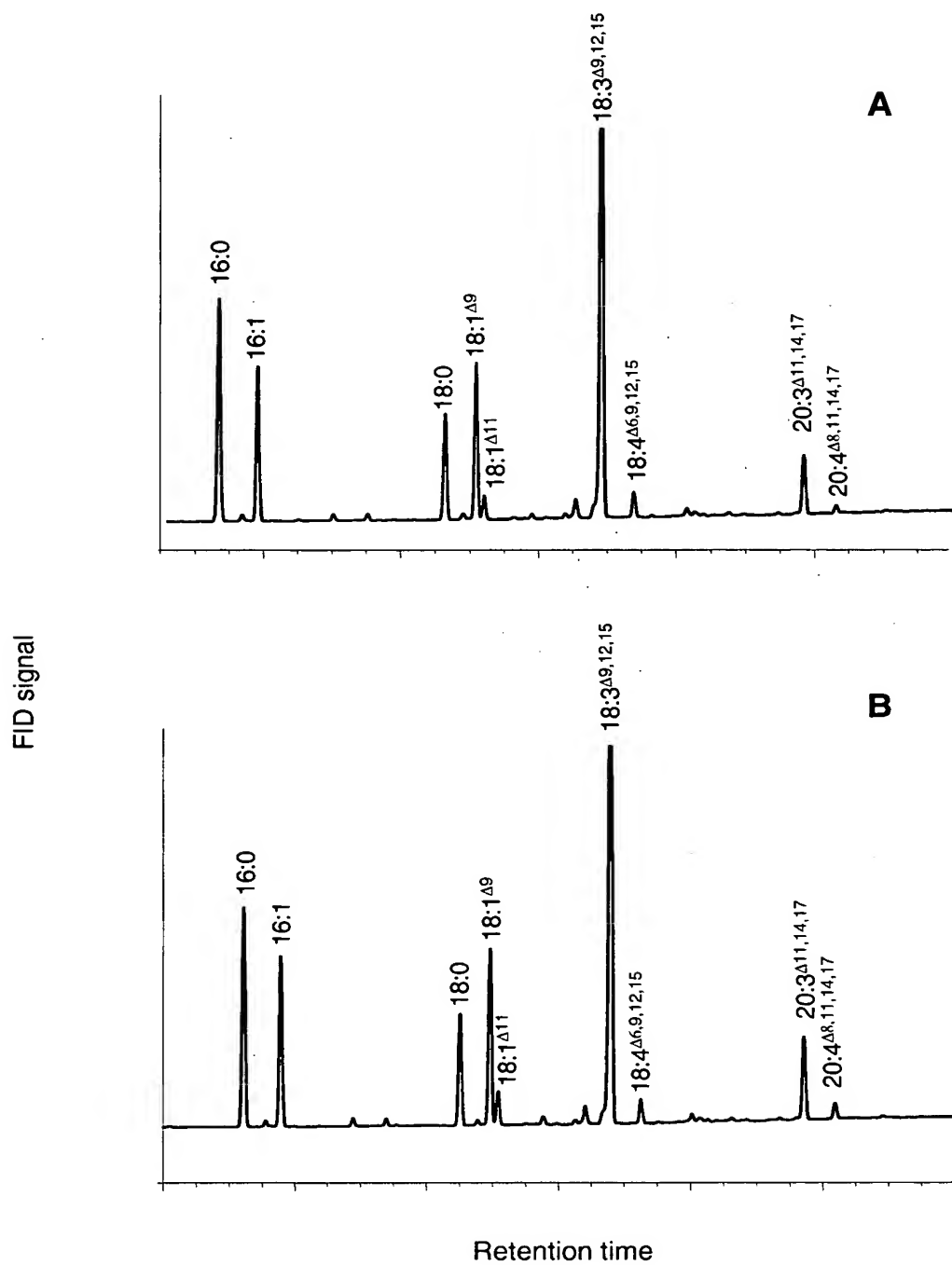
Figure 3: Fatty acid profiles of transgenic C13ABYS86 *S. cerevisiae* cells

Figure 4: Elongation of exogenously applied  $18:2^{\Delta 9,12}$  and  $18:3^{\Delta 9,12,15}$ , following their endogenous  $\Delta 6$ -desaturation (data of figs. 2 and 3).

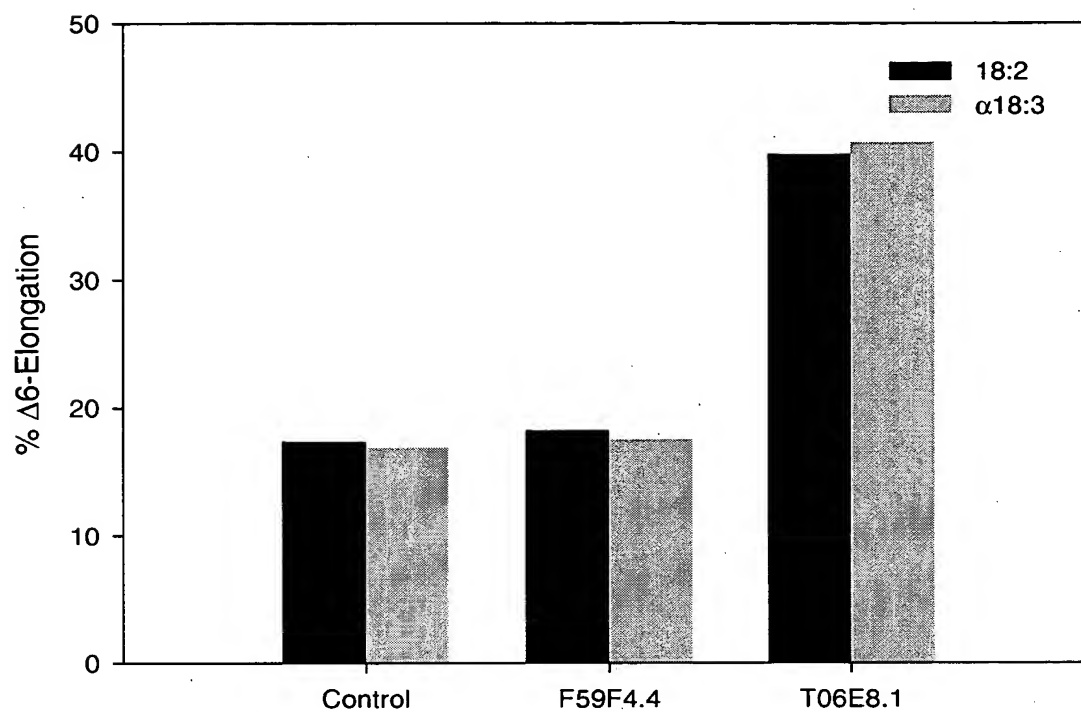


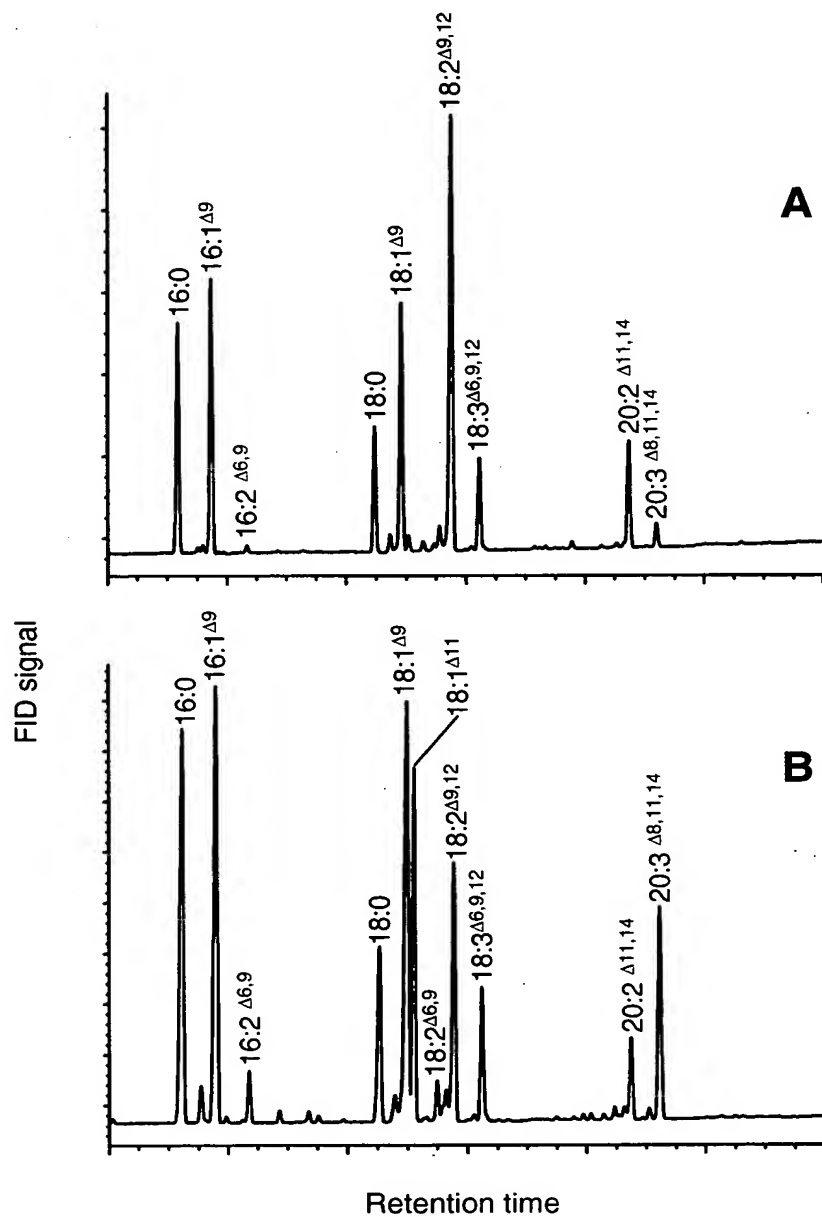
Figure 5: Fatty acid profiles of transgenic INVSc1 *S. cerevisiae* cells

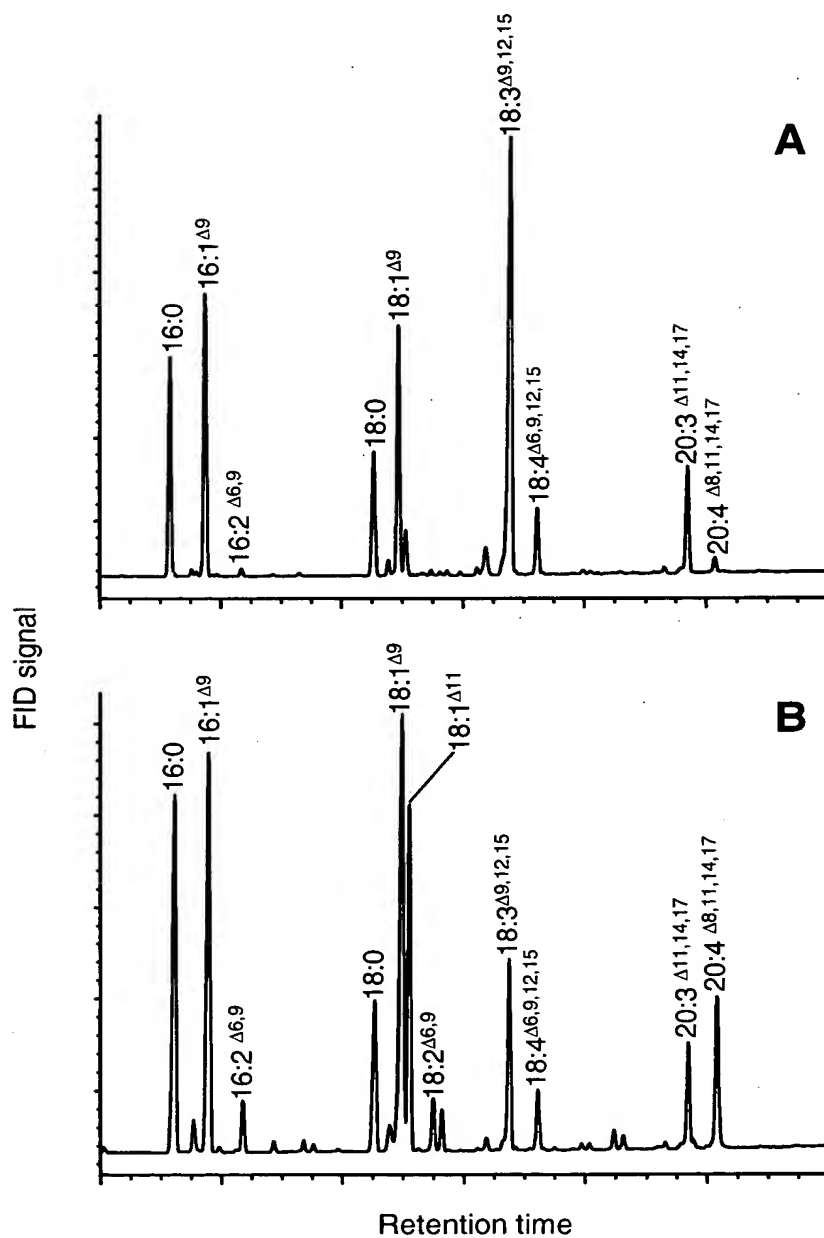
Figure 6: Fatty acid profiles of transgenic INVSc1 *S. cerevisiae* cells

Figure 7: Acyl-CoA composition of transgenic INVSc1 yeasts transformed with the vectors pESCLEu PpD6Pse1/pYes2 (A) or pESCLEu-PpD6-Pse1/pYes2-T06E8.1 (B).

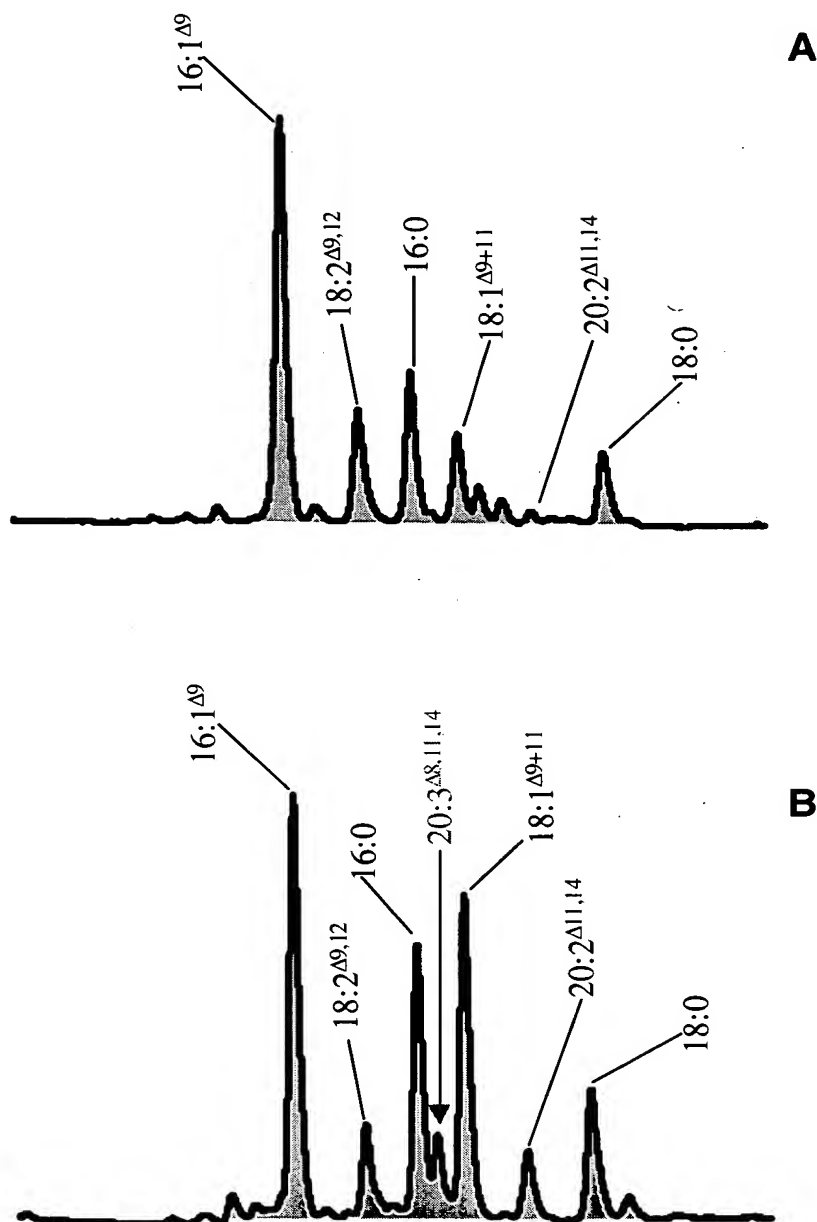


Figure 8: Vector map of pSUN3CeLPLAT

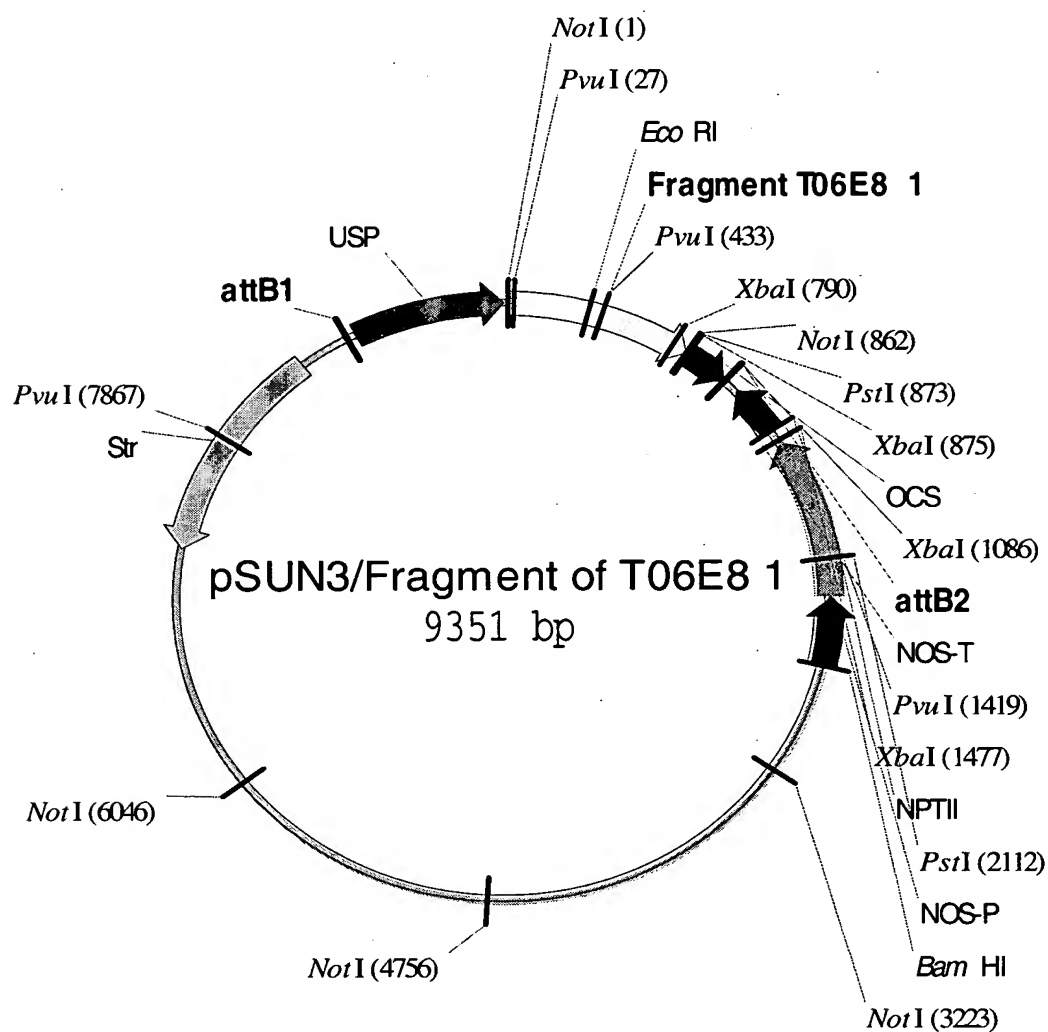




Figure 9A: Vector map of pGPTV LeB4-700 + T06E8.1

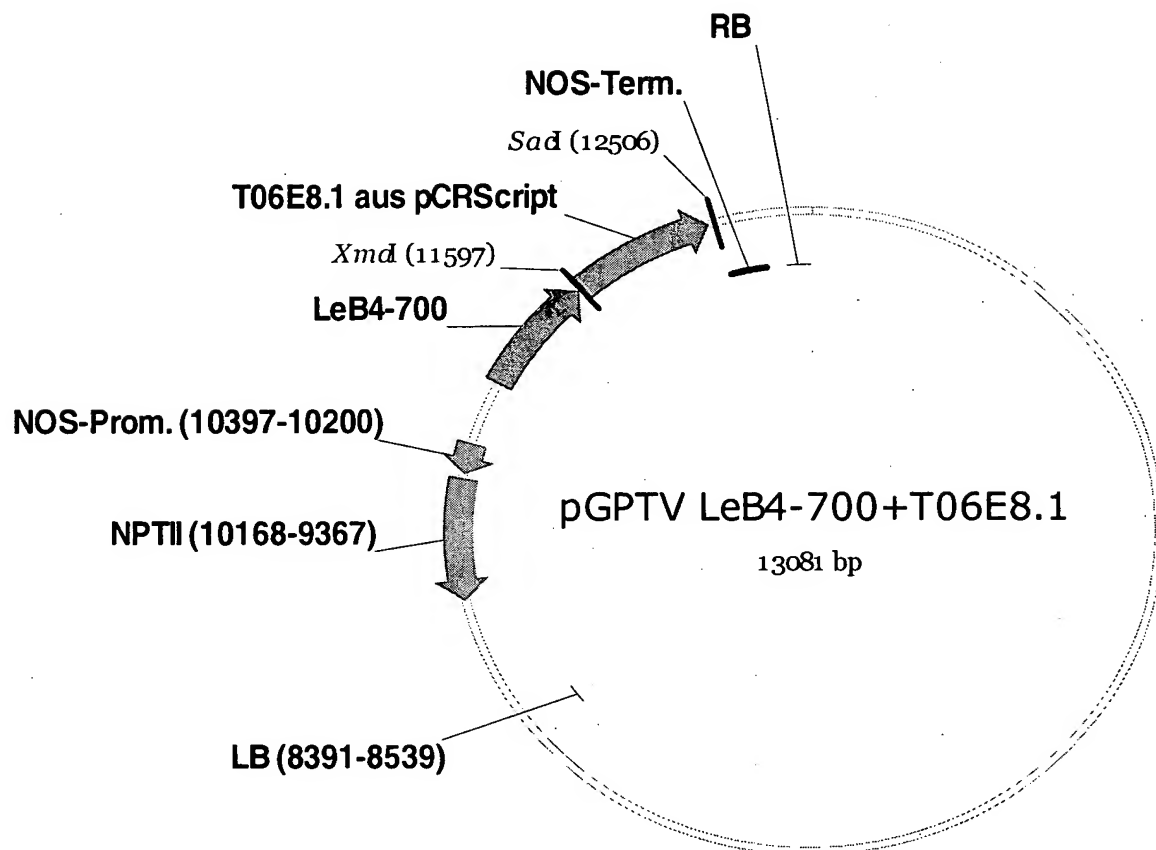


Figure 9B: Vector map of pGPTV USP/OCS-1,2,3 PSE1(Pp)+D6-Des(Pt)+2AT (T06E8-1)

pGPTV/USP/OCS-1,2,3 PSE1(Pp) D6-Des(Pt)-2 AT(T06E8-1)

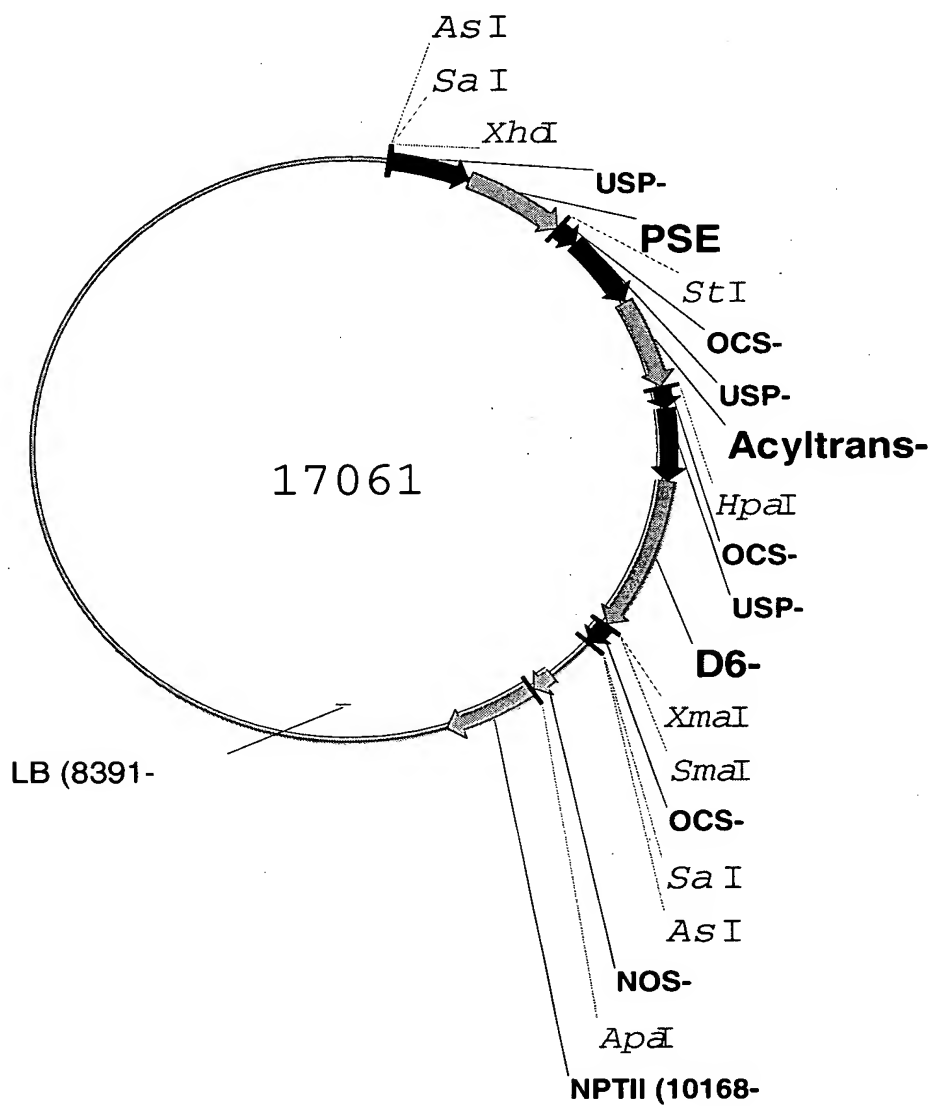


Figure 10A: Biosynthetic pathway of LCPUFAs

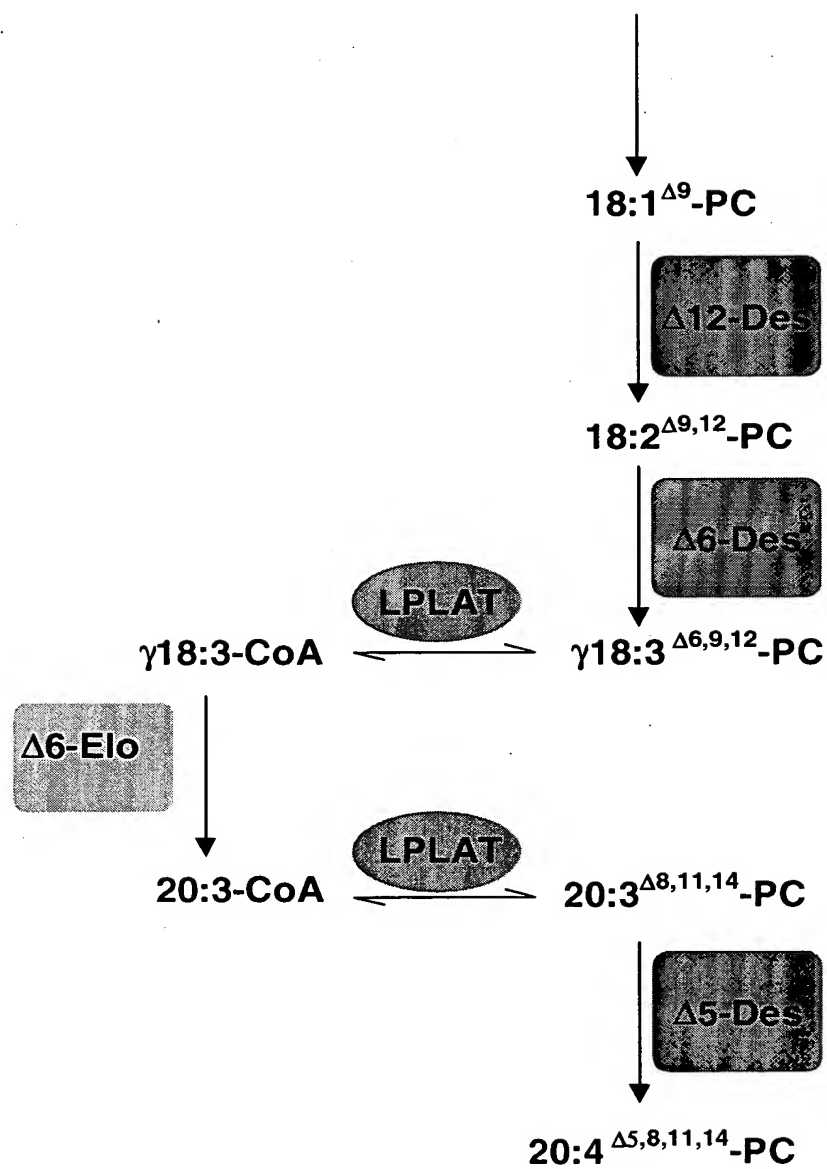


Figure 10B: Biosynthetic pathway of LCPUFAs

